

## ABSTRACT

A network communication system sends identical information from a source node to a plurality of destination nodes by first sending the information from the source node to a predetermined relay node, then sending the information from the relay node to the destination nodes over predetermined communication paths. The predetermined communication paths connect the destination nodes to the relay node in a star topology. The star topology greatly simplifies the routing of the information, while automatically avoiding looped paths, and enables the identical information to arrive at all destination nodes in real time, substantially simultaneously.